BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION

KODIGEHALLI SUB DIVISOIN

Name of the Work : **Detailed Estimate for the work of Providing Asphalting to Roads and Improvement of Drains in Devinagara Sarroundings in ward no 8 (Kodigehalli) of Kodigehalli Sub Division**

Estimate Cost : 30.00 Lakhs

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 3000000.00

Name of Work: Detailed Estimate for the work of Providing Asphalting to Roads and Improvement of Drains in Devinagara Sarroundings in ward no 8 (Kodigehalli) of Kodigehalli Sub Division

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH chapter 3. No. 125/ Item No. 19.1/ PWD SR 2013-14	cum							
	Desilting of drains		2	90.00	0.45	0.30	24.30		
			2	95.00	0.45	0.30	25.65		
			2	120.00	0.45	0.30	32.40		
			2	130.00	0.45	0.30	35.10		
			2	60.00	0.45	0.30	16.20		
			2	75.00	0.45	0.30	20.25		
			2	145.00	0.45	0.30	39.15		
			2	150.00	0.45	0.30	40.50		
			1	105.00	0.45	0.30	14.18		
			2	100.00	0.45	0.30	27.00		
			1	65.00	0.45	0.30	8.78		
	Road Formation		1	90.00	4.50	0.15	60.75		
			1	95.00	5.00	0.15	71.25		
			1	120.00	4.50	0.15	81.00		
			~~1~~	~~130.00~~	~~4.50~~	~~0.15~~	~~87.75~~	deleted	
			1	60.00	5.00	0.15	45.00		
			1	75.00	5.00	0.15	56.25		
			1	145.00	4.50	0.15	97.88		
			1	150.00	5.00	0.15	112.50		
			1	105.00	5.00	0.15	78.75		
			1	100.00	4.50	0.15	67.50		
			1	65.00	4.50	0.15	43.88	✓	65764.71
	Basic Rate	61.00	✓				1086.00	65.88	71546.00
	Area Weightage @ 8%	4.88	✓				998.25		
	Total	**65.88**	✓						
2	KSRB 100-1 Loading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing tipper at loading with front end loader dumpting turning for return trip excluding time for haulged and return trip complete as per specification item No 17.1 page 141 and KSRB M.100.4.1 costof haulage excluding loading and unloading MORTH to a distance of 4.00 K.M (Item No 17.4 Page 141 (SR 2013-14)	cum							

			Vide Item No. 2				1086.00	78.24	84963.00
	Basic Rate for loading and unloading	62.20					Limited to 940.0		73545.6
	Basic Rate for Haulage upto 4.00 k.m =1.28 X 2 X 4	10.24							
		72.44							
	Area Weightage @ 8%	5.80							
	Total	**78.24**							
3	Removing B.S Slab of Drain and stacking Page No. 28/ Item No. 5.32/ PWD SR 2013-14	**Sqm**							
			2	90.00		1.35	243.00		
			2	95.00		1.35	256.50		
			2	120.00		1.35	324.00		
			2	130.00		1.35	351.00		
			2	60.00		1.35	162.00		
			2	75.00		1.35	202.50		
			2	145.00		1.35	391.50		
			2	150.00		1.35	405.00		
			1	105.00		1.35	141.75		
			2	100.00		1.35	270.00		
			1	65.00		1.35	87.75		
							2835.00		
	deduct missing slab qty 25%						708.75		
							2126.25	**50.11**	**106550.64**
	Basic Rate	46.40							
	Area Weightage @ 8%	3.71							
	Total	**50.11**							
4	Refixing stone slabs of drains and pointing in C.M (1:3) Page No. 28/ Item No. 5.33/ PWD SR 2013-14	**Sqm**							
			same as item no 3				2126.25		
							2126.25	**70.04**	**148918.30**
	Basic Rate	64.85							
	Area Weightage @ 8%	5.19							
	Total	**70.04**							
5	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete Page No. 28/ Item No. 5.31.1/ PWD SR 2013-14	**Sqm**							
	missing qty						708.75		
							708.75	**343.44**	**243413.10**
	Basic Rate	318.00							
	Area Weightage @ 8%	25.44							
	Total	**343.44**							

6	KSRRB M400-17: Providing, laying spreading and compacting graded stones aggregate to wet mix macadam specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH specification NO. 406, No. 166/ Item No. 20.18/ PWD SR 2013-14	**cum**							
			1	90.00	4.50	0.15	60.75		
			1	95.00	5.00	0.15	71.25		
			1	120.00	4.50	0.15	81.00		
			1	130.00	4.50	0.15	87.75		
			1	60.00	5.00	0.15	45.00		
			1	75.00	5.00	0.15	56.25		
			1	145.00	4.50	0.15	97.88		
			1	150.00	5.00	0.15	112.50		
			1	105.00	5.00	0.15	78.75		
			1	100.00	4.50	0.15	67.50		
			1	70.00	4.50	0.15	47.25	✓	
							805.88	**1121.04**	**903418.00**
	Basic Rate	1038.00	✓						
	Area Weightage @ 8%	83.04	✓						
	Total	**1121.04**	✓						
7	KSRRB M500-6: providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH specification NO. 502, No. 171/ Item No. 21.6/ PWD SR 2013-14	**sqm**							
			1	90.00	4.50		405.00		
			1	95.00	5.00		475.00		
			1	120.00	4.50		540.00		
			1	130.00	4.50		585.00		
			1	60.00	5.00		300.00		
			1	75.00	5.00		375.00		
			1	145.00	4.50		652.50		
			1	150.00	5.00		750.00		
			1	105.00	5.00		525.00		
			1	100.00	4.50		450.00		
			1	70.00	4.50		315.00	✓	
							5372.50	**44.28**	**237894.00**
	Basic Rate	41.00	✓						
	Area Weightage @ 8%	3.28	✓						
	Total	**44.28**	✓						

8	KSRRB M500-18: Providing and laying semi dense bituminous concrete 25mm thick with 100-120 TPH batch type HMP producing and average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.8 complete in all respects as per specifications. P .No. 174/ Item No. 21.21/ PWD SR.2013-14	cum							
			1	90.00	4.50	0.025	10.13		
			1	95.00	5.00	0.025	11.88		
			1	120.00	4.50	0.025	13.50		
			1	130.00	4.50	0.025	14.63		
			1	60.00	5.00	0.025	7.50		
			1	75.00	5.00	0.025	9.38		
			1	145.00	4.50	0.025	16.31		
			1	150.00	5.00	0.025	18.75		
			1	105.00	5.00	0.025	13.13		
			1	100.00	4.50	0.025	11.25		
			1	70.00	4.50	0.025	7.88	✓	
							134.31	**8859.24**	**1189907.00**
	Basic Rate	8203.00	✓						
	Area Weightage @ 8%	656.24	✓						
	Total	**8859.24**	✓						30000
9	Quality control charges								13000.00
10	Miscellaneous charges							593.08	389.96
								Total	**3000000.00**

(Rupees Thirty Lakhs Only)

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2013-14.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bangalore

Executive Engineer
Byatarayanapura Division
Bangalore